

FIG. 1

The cable modem sends a connection request prior to starting a voice call ~ 202



CMTS receives the grant interval and the grant size of the connection request ~ 204



Using the grant interval and grant size, the CMTS either accepts or rejects the voice call. ~ 206



If the call is accepted, then CMTS generates bandwidth grants for the service identifier as specified ~ 208

FIG. 2

FIG. 3

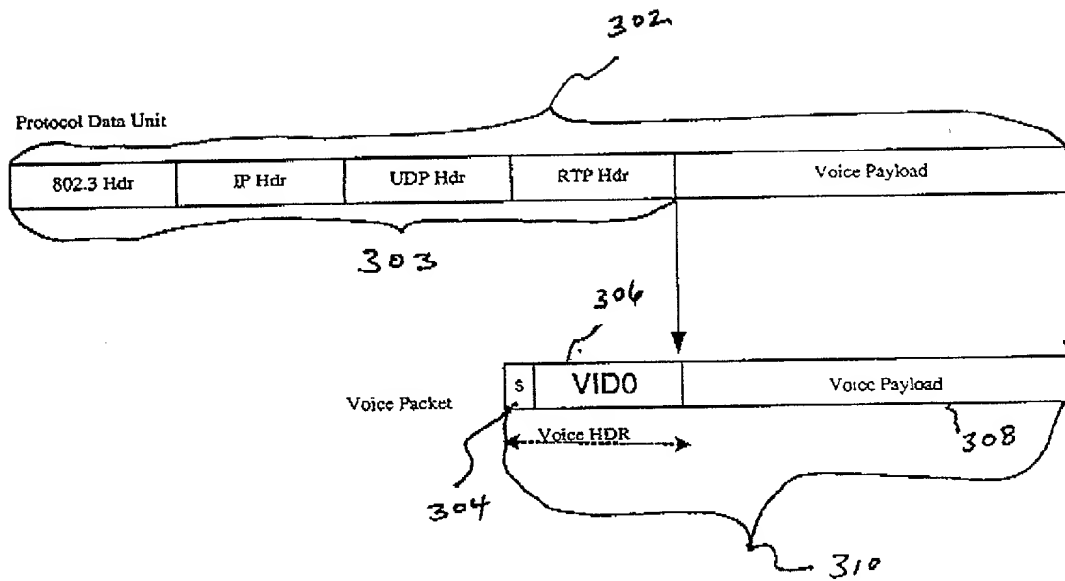


FIG. 3

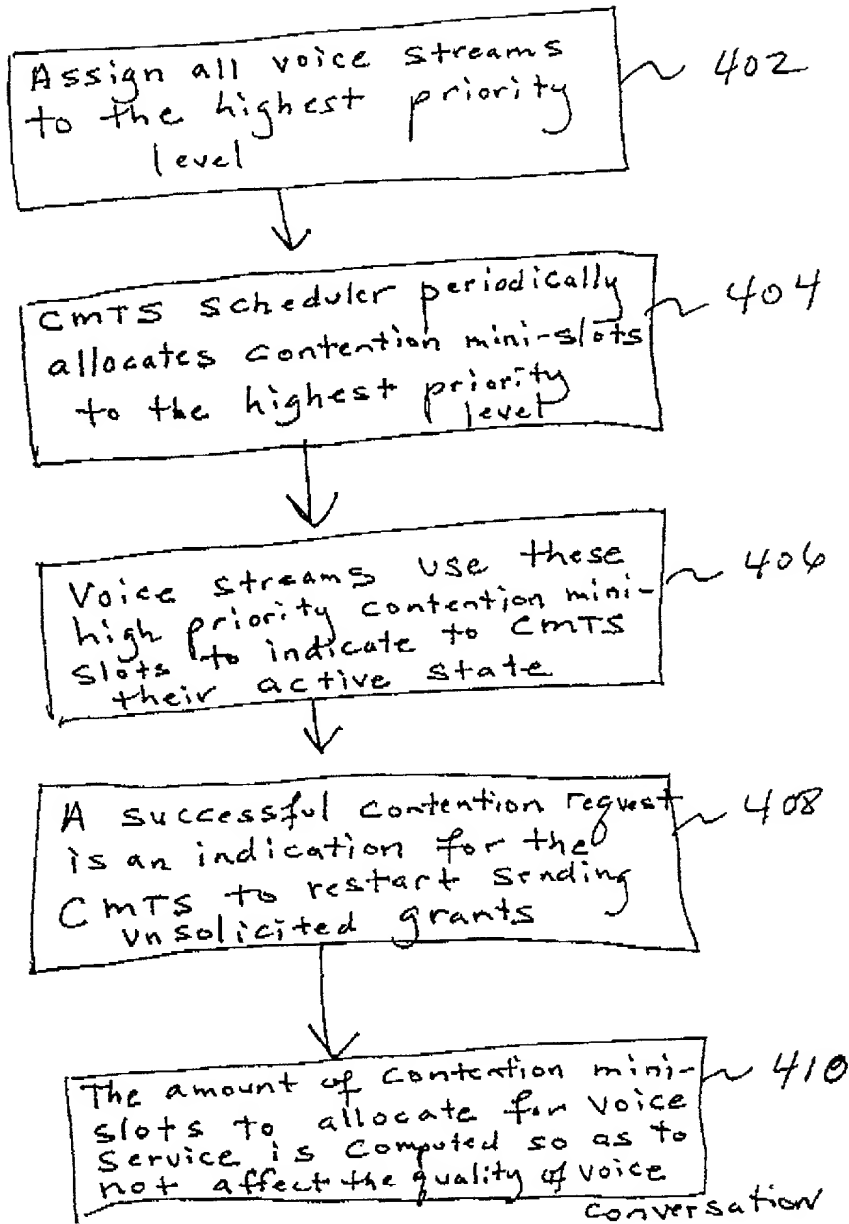


FIG. 4

Determine that the
call has become
silent ~502

The cable modem scheduler
sends one or more bytes of
data to the CMTS
in the current unsolicited
grant service with the
silence flag set ~504

The CMTS stops the
unsolicited grant service
on receiving a voice packet
with the silence flag set ~506

FIG. 5

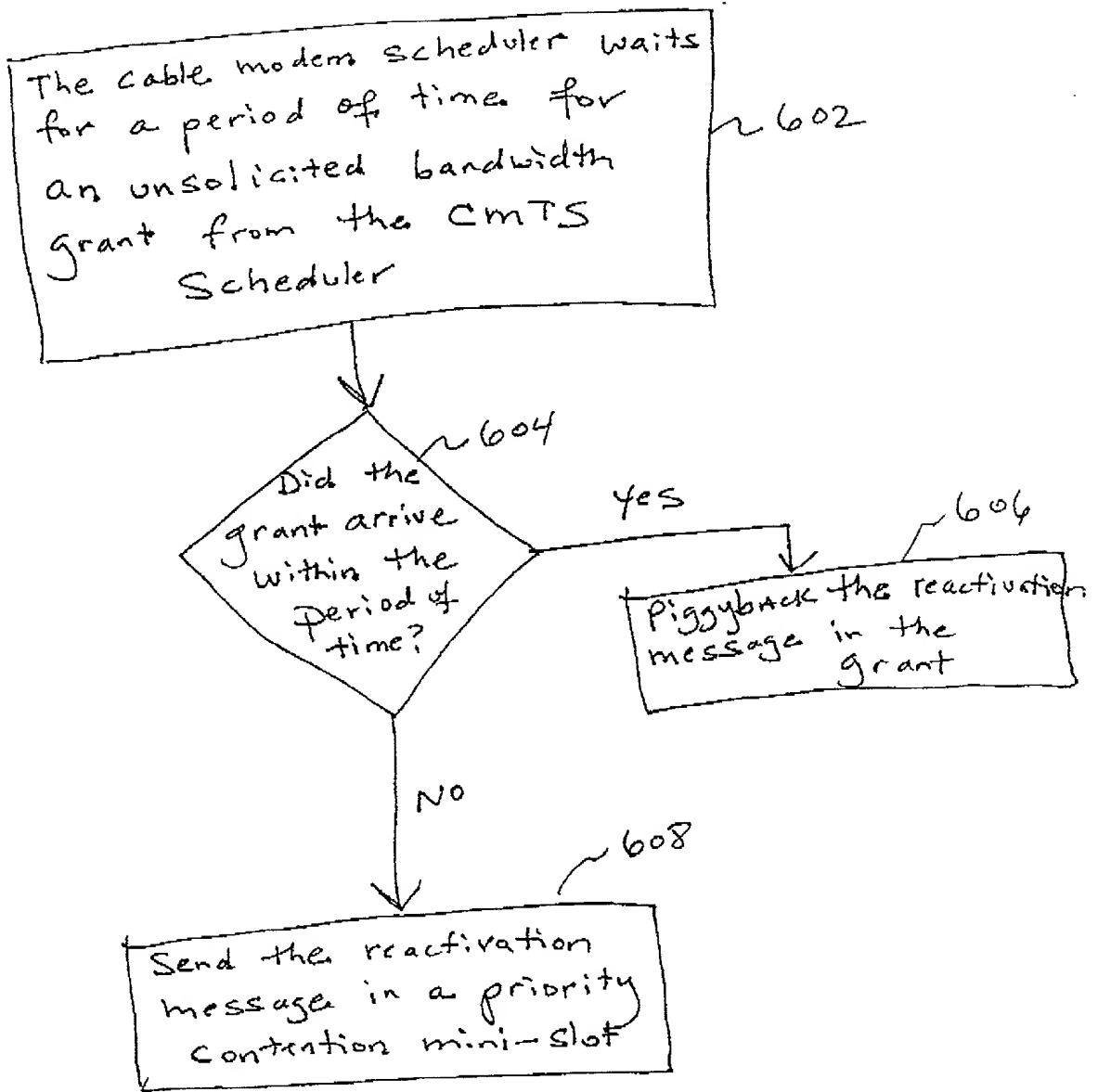


FIG. 6

$$T = -\frac{1}{\lambda} \ln\left(1 - \frac{\sqrt{p_c}}{N-1}\right)$$

FIG. 6.7

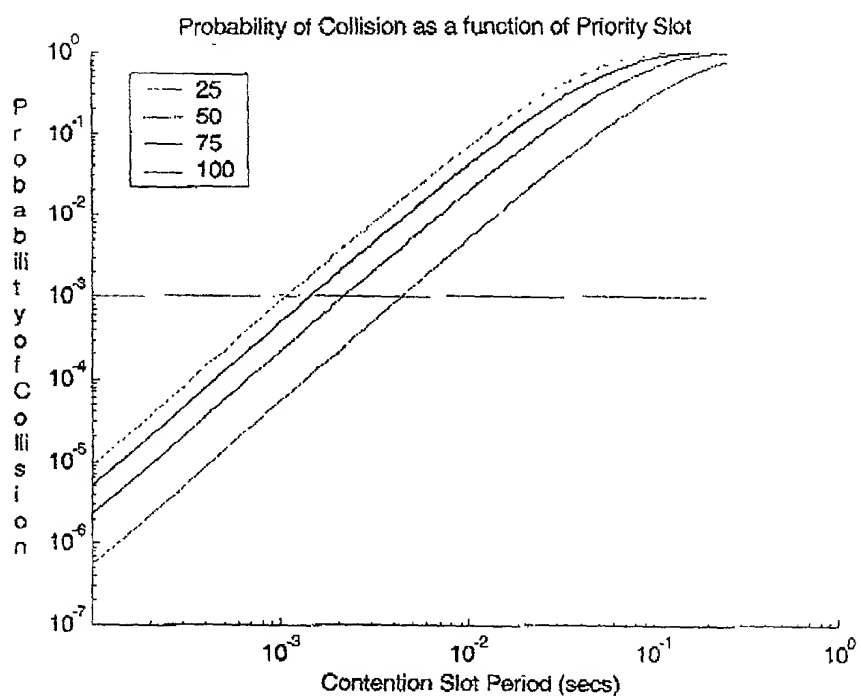


Fig. 8

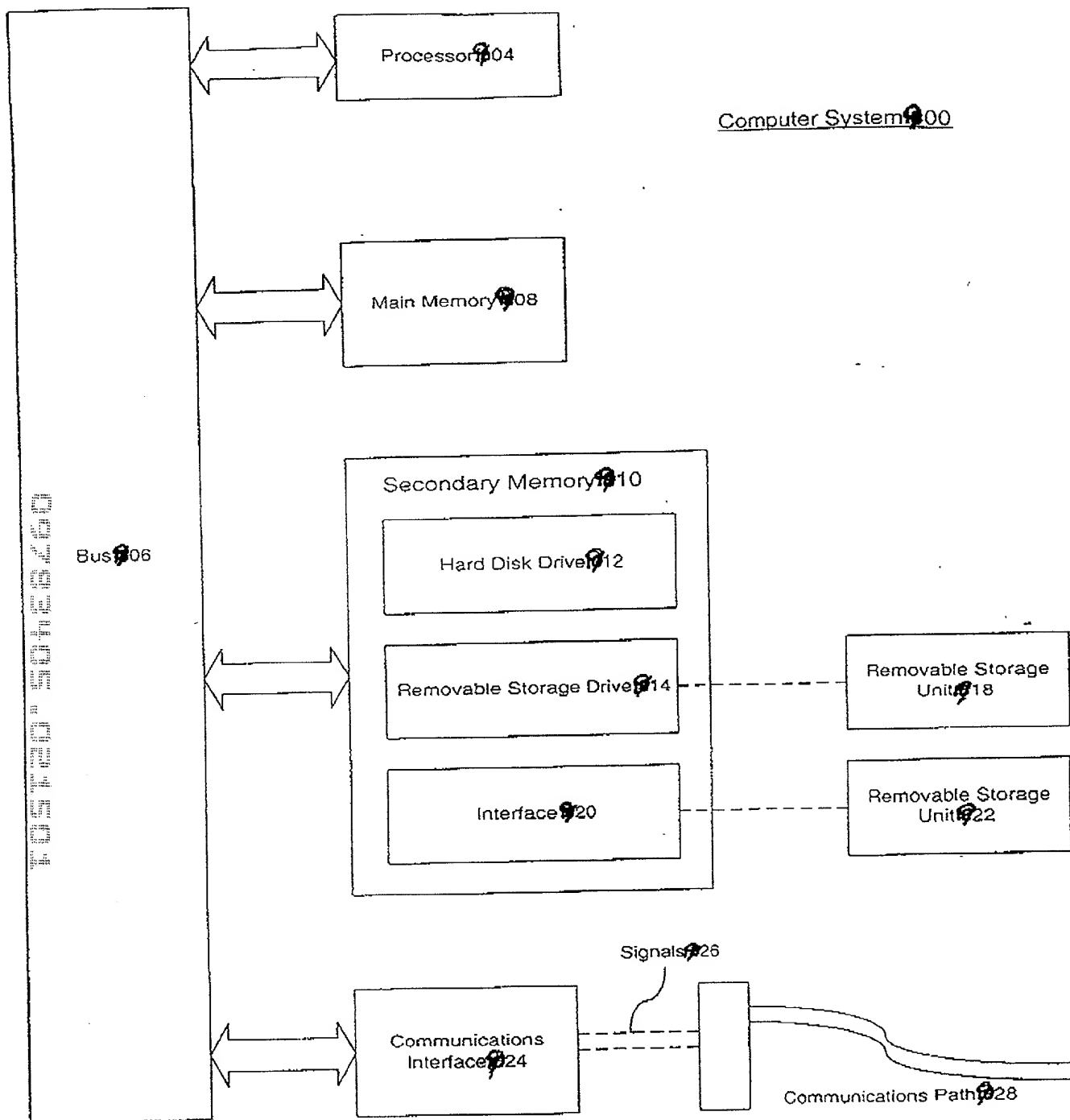


FIG. 9

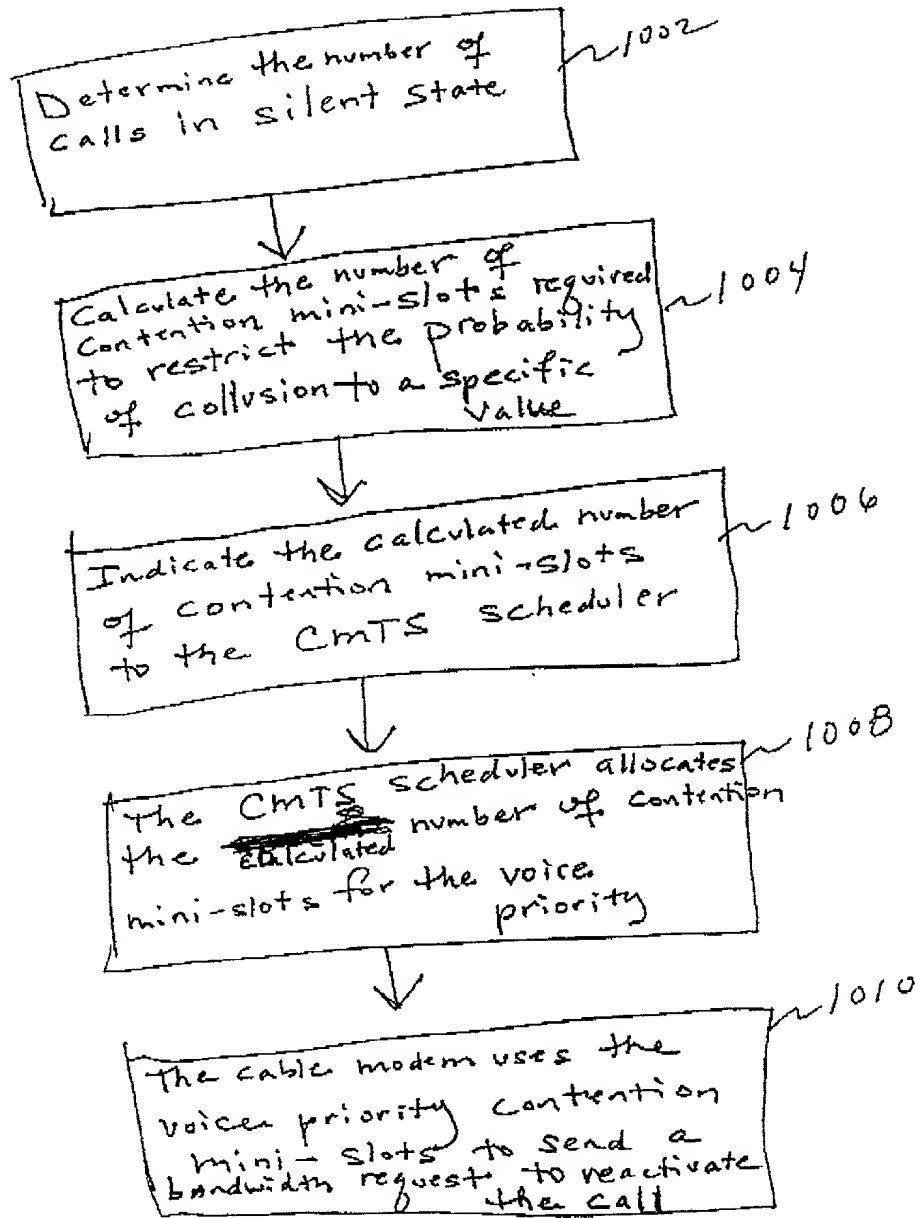


FIG. 10